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What is claimed is:

- A slitter blade assembly for cutting off a workpiece, comprising:
  - a drum-shaped rotary blade; and
  - a disk-shaped rotary blade;

said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge, and a second beveled surface facing the workpiece and progressively spaced from said cutting edge away from the workpiece.

- 2. A slitter blade assembly according to claim 1, wherein the distance CL of said first beveled surface up to said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from 40  $\mu$ m to 200  $\mu$ m, the angle  $\theta$ 6 of said first beveled surface from said severance plane is set to a value which ranges from 0.8° to 14°, and the angle  $\theta$ 1 of said second beveled surface from said severance plane is set to a value which ranges from 65° to 85°.
- 3. A slitter blade assembly according to claim 2, wherein said disk-shaped rotary blade has a first clearance surface contiguous to said first beveled surface, and the angle  $\theta$ 3 of said first clearance surface from said severance

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4. A slitter blade assembly according to claim 2, wherein said disk-shaped rotary blade has a second clearance surface contiguous to said second beveled surface, and the angle  $\theta 2$  of said second clearance surface from said severance plane is set to a value which ranges from 20° to  $45^{\circ}$ .

- 5. A slitter blade assembly according to claim 4, wherein said second beveled surface and said second clearance surface are joined to each other at a junction, and the distance L1 from said junction to said severance plane is set to a value which ranges from 0.2 mm to 0.8 mm.
- 6. A slitter blade assembly according to claim 1, wherein said cutting edge of the disk-shaped rotary blade has irregularities along a circumference of the disk-shaped rotary blade, said irregularities having an irregularity quantity G set to a value which ranges from 0.5 µm to 5 µm.
- 7. A slitter blade assembly according to claim 1, wherein said disk-shaped rotary blade and/or said drumshaped rotary blade is made of a cemented carbide.

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8. A slitter blade assembly for cutting off a workpiece, comprising:

- a drum-shaped rotary blade; and
- a disk-shaped rotary blade;

said drum-shaped rotary blade having a cutting edge and a third beveled surface facing said disk-shaped rotary blade and progressively spaced from said disk-shaped rotary blade toward said cutting edge.

- 9. A slitter blade assembly according to claim 8, wherein the distance HL of said third beveled surface up to said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from 25  $\mu$ m to 500  $\mu$ m, and the angle  $\theta$ 5 of said third beveled surface from said severance plane is set to a value which ranges from 0.0° to 0.6°.
- 10. A slitter blade assembly according to claim 9, wherein said drum-shaped rotary blade has a third clearance surface contiguous to said third beveled surface, and the angle  $\theta 4$  of said third clearance surface from said severance plane is set to a value which ranges from 2° to 4°.
- 11. A slitter blade assembly according to claim 8, wherein said disk-shaped rotary blade and/or said drumshaped rotary blade is made of a cemented carbide.
- 12. A slitter blade assembly for cutting off a workpiece, comprising:

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a drum-shaped rotary blade; and

a disk-shaped rotary blade;

said disk-shaped rotary blade having a cutting edge, a first beveled surface facing said drum-shaped rotary blade and progressively spaced from said drum-shaped rotary blade toward said cutting edge of the disk-shaped rotary blade, and a second beveled surface facing the workpiece and progressively spaced from said cutting edge of the disk-shaped rotary blade away from the workpiece;

said drum-shaped rotary blade having a cutting edge and a third beveled surface facing said disk-shaped rotary blade and progressively spaced from said disk-shaped rotary blade toward said cutting edge of the drum-shaped rotary blade.

- 13. A slitter blade assembly according to claim 12, wherein said disk-shaped rotary blade and/or said drumshaped rotary blade is made of a cemented carbide.
- 14. A slitter blade assembly according to claim 12, wherein the distance CL of said first beveled surface up to said cutting edge along a severance plane perpendicular to a surface of the workpiece is set to a value which ranges from 40  $\mu$ m to 200  $\mu$ m, the angle  $\theta$ 6 of said first beveled surface from said severance plane is set to a value which ranges from 0.8° to 14°, the angle  $\theta$ 1 of said second beveled surface from said severance plane is set to a value which ranges from 65° to 85°, the distance HL of said third

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beveled surface up to said cutting edge along a severance plane is set to a value which ranges from 25  $\mu m$  to 500  $\mu m$ , and the angle  $\theta 5$  of said third beveled surface from said severance plane is set to a value which ranges from 0.0° to 0.6°.